

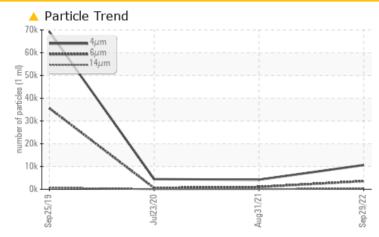
PROBLEM SUMMARY

KAESER AS 30 6700111 (S/N 1291)

Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS Sample Status NORMAL NORMAL ABNORMAL 1009 Particles >6µm ASTM D7647 >1300 3571 559 Particles >14µm ASTM D7647 >80 332 74 24 14 6 Particles >21µm ASTM D7647 >20 73 **Oil Cleanliness** ISO 4406 (c) >--/17/13 A 21/19/16 17/13 16/12

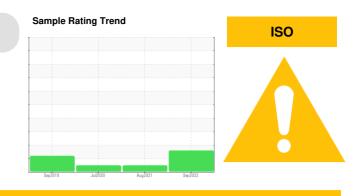
Customer Id: FIVFORGA Sample No.: KCP50095 Lab Number: 05677378 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED	RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

HISTORICAL DIAGNOSIS



31 Aug 2021 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

23 Jul 2020 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

25 Sep 2019 Diag: Jonathan Hester



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

view report





OIL ANALYSIS REPORT

Machine Id KAESER AS 30 6700111 (S/N 1291) Component

Compressor Fluid

KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

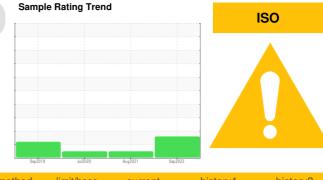
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



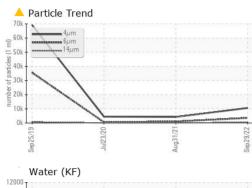
Sample Number Client Info KCP50095 KCP37800 KCP10122 Sample Date Client Info 10442 7138 4073 Machine Age hrs Client Info 10442 7138 4073 Oll Age hrs Client Info 10442 7138 4073 Oll Age Client Info Changed Changed Changed Changed Sample Status Im Client Info Carrent NoRMAL NORMAL Vertame pm ASTM 05165 >50 0 <1 <1 Chromium pm ASTM 05165 >2 0 0 0 Silver pm ASTM 05165 >2 0 0 0 Silver pm ASTM 05165 >50 1 <1 <1 Tinn pm ASTM 05165 >10 <1 <1 <1 Vanadium pm ASTM 05165 0 1 <1 <1 Vanadium pm	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 10442 7138 4073 Oil Agned Client Info 3500 3065 2637 Sample Status Image Client Info ABNORMA NORMAL NORMAL WEAR METALS method Imit/bas current history1 history1 Iron pm ASTM 05185 >10 0 0 0 Nickel pm ASTM 05185 >30 0 0 0 Silver pm ASTM 05185 >30 0 0 0 Silver pm ASTM 05185 >10 1 0 0 Copper pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 1 <1 1 Kammon pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 <1 3 3 Kammon pm ASTM 05185 10 <1 3 3 Nordium pm ASTM 05185 10 1 1 <	Sample Number		Client Info		KCP50095	KCP37800	KCP10122
Machine Age hrs Client Info 10442 7138 4073 Oil Agned Client Info 3500 3065 2637 Sample Status Image Client Info ABNORMA NORMAL NORMAL WEAR METALS method Imit/bas current history1 history1 Iron pm ASTM 05185 >10 0 0 0 Nickel pm ASTM 05185 >30 0 0 0 Silver pm ASTM 05185 >30 0 0 0 Silver pm ASTM 05185 >10 1 0 0 Copper pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 1 <1 1 Kammon pm ASTM 05185 >10 1 <1 1 Vandium pm ASTM 05185 >10 <1 3 3 Kammon pm ASTM 05185 10 <1 3 3 Nordium pm ASTM 05185 10 1 1 <	Sample Date		Client Info		29 Sep 2022	31 Aug 2021	23 Jul 2020
Oil Changed Sample Status Client Info Changed ABNORMAL Changed NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 <1 Iron ppm ASTM D5185m >3 0 0 <1 Intanium ppm ASTM D5185m >10 1 <1 <1 Copper ppm ASTM D5185m >50 1 <1 <1 Vanadium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history2 Barium ppm ASTM D5185m 0 0 0 0 Barium		hrs	Client Info		10442	7138	4073
Sample Status method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1 <1 Chromium ppm ASTM D5185m >50 0 <1 <1 Nickel ppm ASTM D5185m >3 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 1 <1 0 Lead ppm ASTM D5185m 50 1 2 1 Tin ppm ASTM D5185m 50 1 2 1 Copper ppm ASTM D5185m 50 1 2 1 Cadmium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 </th <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>3500</th> <th>3065</th> <th>2637</th>	Oil Age	hrs	Client Info		3500	3065	2637
Sample Status method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1 <1 Chromium ppm ASTM D5185m >50 0 <1 <1 Nickel ppm ASTM D5185m >3 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 1 <1 0 Lead ppm ASTM D5185m 50 1 2 1 Tin ppm ASTM D5185m 50 1 2 1 Copper ppm ASTM D5185m 50 1 2 1 Cadmium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 </th <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Changed</th> <th>Changed</th> <th>Changed</th>	Oil Changed		Client Info		Changed	Changed	Changed
Iron ppm ASTM D5185m >50 0 <1	-				-		
Chromium ppm ASTM D5185m >10 0 0 . Nickel ppm ASTM D5185m >3 0 0 . Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >10 1 . 1 0 Lead ppm ASTM D5185m >50 1 2 1 . Tin ppm ASTM D5185m >50 1 2 1 . Antimony ppm ASTM D5185m >10 1 . . Vanadium ppm ASTM D5185m 0 . 0 0 . Antimony ppm ASTM D5185m 0 0 0 . . Vanadium ppm ASTM D5185m 0 0 0 . . Boron ppm ASTM D5185m 0 0 	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >10 0 0 . Nickel ppm ASTM D5185m >3 0 0 . Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >10 1 . 1 0 Lead ppm ASTM D5185m >50 1 2 1 . Tin ppm ASTM D5185m >50 1 2 1 . Antimony ppm ASTM D5185m >10 1 . . Vanadium ppm ASTM D5185m 0 . 0 0 . Antimony ppm ASTM D5185m 0 0 0 . . Vanadium ppm ASTM D5185m 0 0 0 . . Boron ppm ASTM D5185m 0 0 	Iron	maa	ASTM D5185m	>50	0	<1	<1
Nickel ppm ASTM D5185m >3 0 0 <1 Titanium ppm ASTM D5185m >2 0 0 0 Sliver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 1 <1	Chromium					0	
Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 1 <1 0 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 <1 <1 <1 Tin ppm ASTM D5185m >10 <1 <1 <1 Antimony ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 6 0 Boron ppm ASTM D5185m 0 0 0 <11 3 38 Molybdenum ppm ASTM D5185m 0 0 0 <11 3 Salagnese ppm ASTM D5185m 100 78 73 89 Calacium ppm ASTM	Nickel						<1
Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 1 <1							
Aluminum ppm ASTM D5185m >10 1 <1 <1 0 Lead ppm ASTM D5185m >10 0 0 <1							
Lead ppm ASTM D5185m >10 0 0 <11 Copper ppm ASTM D5185m >50 1 2 1 Tin ppm ASTM D5185m >10 <1							
Copper ppm ASTM D5185m >50 1 2 1 Tin ppm ASTM D5185m >10 <1							
Tin ppm ASTM D5185m >10 <1 <1 <1 Antimony ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 6 0 Barium ppm ASTM D5185m 90 11 3 38 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 1 Magnesium ppm ASTM D5185m 0 2 <1							
Antimony ppm ASTM D5185m 1 <1							
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 6 0 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 100 73 73 89 Calcium ppm ASTM D5185m 0 2 <1				- 10			
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 6 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 11 3 38 Calcium ppm ASTM D5185m 0 0 0 0 1 Magnesium ppm ASTM D5185m 0 2 1 3 3 Calcium ppm ASTM D5185m 0 2 0 0 0 Sulfur ppm ASTM D5185m 0 2 0 0 2 Sulfur ppm ASTM D5185m >25 <1	•						
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 6 0 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 73 89 Calcium ppm ASTM D5185m 0 2 <1							
Boron ppm ASTM D5185m 0 0 6 0 Barium ppm ASTM D5185m 90 11 3 38 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 100 78 73 89 Calcium ppm ASTM D5185m 0 2 <1 3 Phosphorus ppm ASTM D5185m 0 4 0 6 Zinc ppm ASTM D5185m 0 2 0 0 Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m >20 0 2 3 Vater % ASTM D5185m >20 0.040 <t< th=""><th></th><th>ррш</th><th></th><th></th><th></th><th>-</th><th>-</th></t<>		ррш				-	-
Barium ppm ASTM D5185m 90 11 3 38 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 100 78 73 89 Calcium ppm ASTM D5185m 100 78 73 89 Calcium ppm ASTM D5185m 0 2 <1 3 Phosphorus ppm ASTM D5185m 0 4 0 6 Zinc ppm ASTM D5185m 0 2 0 0 Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m >20 0 2 3 Water % ASTM D5185m >20 0.040	ADDITIVES						
Molybdenum ppm ASTM D5165m 0 0 0 0 Manganese ppm ASTM D5185m 100 78 73 89 Calcium ppm ASTM D5185m 0 2 <1	Boron	ppm					
Manganese ppm ASTM D5185m 0 0 <1	Barium	ppm				3	38
Magnesium ppm ASTM D5185m 100 78 73 89 Calcium ppm ASTM D5185m 0 2 <1	,	ppm		0	-		
Calcium ppm ASTM D5185m 0 2 <1 3 Phosphorus ppm ASTM D5185m 0 4 0 6 Zinc ppm ASTM D5185m 0 2 0 0 Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	-	ppm	ASTM D5185m		-		
Phosphorus ppm ASTM D5185m 0 4 0 6 Zinc ppm ASTM D5185m 0 2 0 0 Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	•	ppm					
Zinc ppm ASTM D5185m 0 2 0 0 Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m >20 0 2 3 Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 3571 1009 559 Particles >14µm ASTM D7647 >80 332 74 24 Particles >21µm ASTM D7647 20 73	Calcium	ppm			2		3
Sulfur ppm ASTM D5185m 23500 23709 17279 18318 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1		ppm			4		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m >20 0 24 26 Potassium ppm ASTM D5185m >20 0 2 3 Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 ▲ 3571 1009 559 Particles >6µm ASTM D7647 >80 ▲ 332 74 24 Particles >14µm ASTM D7647 >20 ▲ 73 14 6 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 3 0 0 0 <th>Zinc</th> <th>ppm</th> <th>ASTM D5185m</th> <th>0</th> <th>2</th> <th>0</th> <th>0</th>	Zinc	ppm	ASTM D5185m	0	2	0	0
Silicon ppm ASTM D5185m >25 <1 <1 2 Sodium ppm ASTM D5185m 23 24 26 Potassium ppm ASTM D5185m >20 0 2 3 Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 3571 1009 559 Particles >6µm ASTM D7647 >80 332 74 24 Particles >1µm ASTM D7647 >20 73 14 6 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oli Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 <th>Sulfur</th> <th>ppm</th> <th>ASTM D5185m</th> <th>23500</th> <th>23709</th> <th>17279</th> <th>18318</th>	Sulfur	ppm	ASTM D5185m	23500	23709	17279	18318
Sodium ppm ASTM D5185m 23 24 26 Potassium ppm ASTM D5185m >20 0 2 3 Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 10643 4200 4443 Particles >6µm ASTM D7647 >1300 3571 1009 559 Particles >14µm ASTM D7647 >80 332 74 24 Particles >21µm ASTM D7647 >20 73 14 6 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATI	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 2 3 Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 10643 4200 4443 Particles >6µm ASTM D7647 >1300 3571 1009 559 Particles >14µm ASTM D7647 >80 332 74 24 Particles >21µm ASTM D7647 >20 73 14 6 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2 <th>Silicon</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>25</th> <th><1</th> <th><1</th> <th>2</th>	Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Water % ASTM D6304 >0.05 0.029 0.040 0.032 ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 10643 4200 4443 Particles >6µm ASTM D7647 >1300 3571 1009 559 Particles >14µm ASTM D7647 >80 332 74 24 Particles >21µm ASTM D7647 >20 73 14 6 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oli Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		23	24	26
ppm Water ppm ASTM D6304 >500 298.4 405.7 323.6 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 10643 4200 4443 Particles >6µm ASTM D7647 >1300 ▲ 3571 1009 559 Particles >14µm ASTM D7647 >80 ▲ 332 74 24 Particles >21µm ASTM D7647 >20 ▲ 73 14 6 Particles >38µm ASTM D7647 >4 1 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	2	3
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 10643 4200 4443 Particles >6µm ASTM D7647 >1300 3571 1009 559 Particles >14µm ASTM D7647 >80 332 74 24 Particles >21µm ASTM D7647 >20 73 14 6 Particles >38µm ASTM D7647 >4 1 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.05	0.029	0.040	0.032
Particles >4μm ASTM D7647 10643 4200 4443 Particles >6μm ASTM D7647 >1300 3571 1009 559 Particles >14μm ASTM D7647 >80 332 74 24 Particles >21μm ASTM D7647 >20 73 14 6 Particles >21μm ASTM D7647 >4 1 0 0 Particles >38μm ASTM D7647 >4 1 0 0 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>500	298.4	405.7	323.6
Particles >6µm ASTM D7647 >1300 ▲ 3571 1009 559 Particles >14µm ASTM D7647 >80 ▲ 332 74 24 Particles >21µm ASTM D7647 >20 ▲ 73 14 6 Particles >38µm ASTM D7647 >4 1 0 0 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14µm ASTM D7647 >80 ▲ 332 74 24 Particles >21µm ASTM D7647 >20 ▲ 73 14 6 Particles >38µm ASTM D7647 >4 1 0 0 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 21/19/16 17/13 16/12	Particles >4µm		ASTM D7647		10643	4200	4443
Particles >21μm ASTM D7647 >20 ▲ 73 14 6 Particles >38μm ASTM D7647 >4 1 0 0 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>1300	<u> </u>	1009	559
Particles >38μm ASTM D7647 >4 1 0 0 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	A 332	74	24
Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>20	<u> </u>	14	6
Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm				1	0	0
Oil Cleanliness ISO 4406 (c) >/17/13 21/19/16 17/13 16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
· · · · ·			ISO 4406 (c)	>/17/13	A 21/19/16	17/13	16/12
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36		

Acid Number (AN) Report Id: FIVFORGA [WUSCAR] 05677378 (Generated: 10/27/2023 09:32:40) Rev: 1

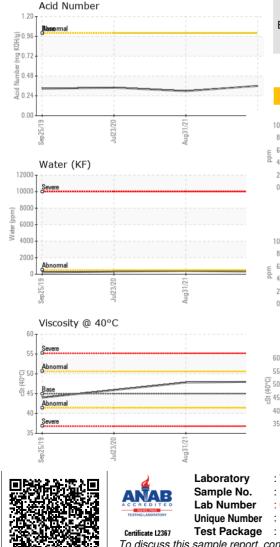
Contact/Location: NATALIE BUTLER - FIVFORGA



OIL ANALYSIS REPORT

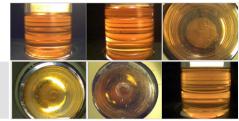




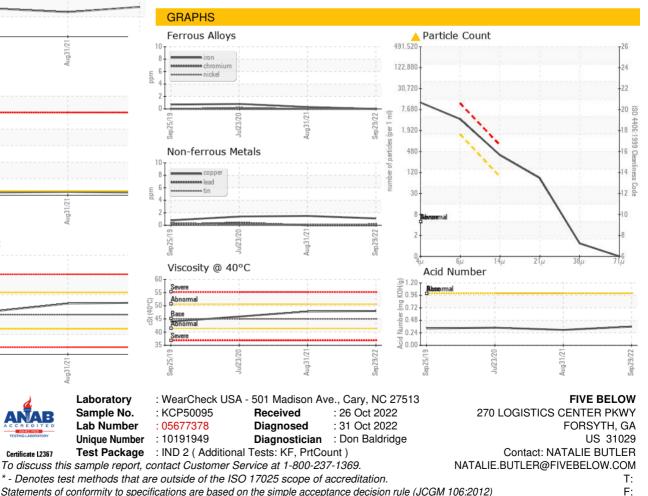


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.0	47.8	45.9
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						





Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)